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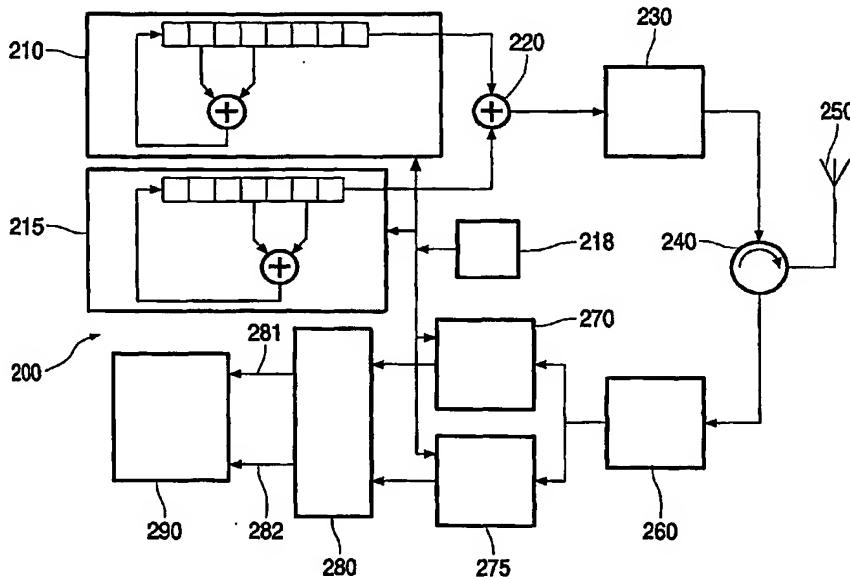
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(54) Title: METHOD AND APPARATUS FOR MEASURING DISTANCE



(57) Abstract: A device (200) measures distance using a wireless signal that comprises two simultaneously transmitted components. Each of the two components comprises a respective repeated code, the two codes having different durations. On receipt of the signal, the propagation distance is calculated separately for each code and compared (280). The calculated distance is considered to be valid only if the two calculations yield the same result. Preferably the durations of the two codes are proportional to numbers having a relative prime relationship. The signal is generated and transmitted by the same device (200) that performs the distance calculation, with the signal being retransmitted back to the device by a remote device (100), or may be generated and transmitted by the remote device (100).

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